



## **GRAEME CLARK ORATION 2010**

**Wednesday, 17 March**  
**5.15pm – 6.00pm Registration**  
**6.00pm – 7.00 pm Oration**  
**Melbourne Convention Centre**

### **From Reading to Writing the Genetic Code**

**Dr J Craig Venter**  
**Founder, Chairman and President**  
**J Craig Venter Institute**



The lecture will cover the past 15 years of digitizing biology, reading the genetic code, including the human genome and metagenomes, and converting the A,C,G and T's to 1's and 0's of the computer code. The new phase of biology is now starting with the digitized information and writing new genetic code to code for new biological systems and processes. Dr. Venter will trace the path his team has followed from trying to generate a minimal genome to the first synthetic genomes and the complicated biological hurdles that had to be overcome to transplant genomes and create new species. Dr. Venter will also address the use of the new synthetic genomic technologies to solve global problems including climate change.

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